

STATIONARY SOURCE PERMIT TO OPERATE

This permit supersedes your permit dated March 1, 2004.

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

The Sherwin-Williams Company
Marine Business Unit
3560 Elm Avenue
Portsmouth, Virginia 23704
Registration No.: 60334
AFS Id. No.: 51-740-00029

is authorized to operate

a paint manufacturing facility

located at

3560 Elm Avenue
Portsmouth, Virginia 23704

in accordance with the Conditions of this permit.

Approved on **October DRAFT, 2006.**

Maria R. Nold, Deputy Regional Director

Permit consists of 7 pages.
Permit Conditions 1 to 19.

INTRODUCTION

1. This permit approval is based on the permit application dated October 21, 2002 and July 11, 2006, including amendment information dated January 7, 2003, June 30, 2003, August 6, 2003, August 1, 2006, and August 2, 2006. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.

Words or terms used in this permit shall have meanings as provided in 9 VAC 5-10-10 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. The regulatory reference or authority for each condition is listed in parentheses () after each condition.

Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact.

The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.2-3700 through 2.2-3714 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.

PROCESS REQUIREMENTS

2. **Equipment List** - Equipment at this facility consists of the following:

Equipment to be Constructed				
Reference No.	Equipment Description	Rated Capacity	Federal Requirements	
M14	50 HP Paint Mixer	650 gal/hr	NA	

Equipment permitted prior to the date of this permit				
Reference No.	Equipment Description	Rated Capacity	Federal Requirements	Original Permit Date
M1	10 HP Paint Mixer	50 gal/hr	NA	3/1/04
M2	10 HP Paint Mixer	50 gal/hr	NA	3/1/04
M3	20 HP Paint Mixer	100 gal/hr	NA	3/1/04
M10	25 HP Paint Mixer	200 gal/hr	NA	3/1/04
M11	50 HP Paint Mixer	300 gal/hr	NA	3/1/04
M12	50 HP Paint Mixer	300 gal/hr	NA	3/1/04
AM 4	Gast Air Paint Mixer	10 gal/hr	NA	3/1/04
AM5	Gast Air Paint Mixer	10 gal/hr	NA	3/1/04
AM6	Gast Air Paint Mixer	10 gal/hr	NA	3/1/04
AM7	Gast Air Paint Mixer	10 gal/hr	NA	3/1/04
AM8	Gast Air Paint Mixer	10 gal/hr	NA	3/1/04
AM9	Gast Air Paint Mixer	10 gal/hr	NA	3/1/04

C1	Aget Cyclone	97% Efficiency	NA	3/1/04
	Paint Test Spray Booth w/fabric filters	12% Efficiency	NA	3/1/04

Specifications included in the permit under this Condition are for informational purposes only and do not form enforceable terms or conditions of the permit.

(9 VAC 5-80-850)

3. **Emission Controls** - Volatile organic compound emissions from each paint mixer shall be controlled by a mixer cover. Each mixer cover shall be closed except during the mixer filling and cleaning processes.
(9 VAC 5-80-850 and 9 VAC 5-50-250)
4. **Emission Controls** - Particulate emissions from the paint test spray booth shall be controlled by filters. The paint booth and filters shall be provided with adequate access for inspection. The filter system shall be equipped with a device to continuously measure the differential pressure drop through the filter. The differential pressure drop device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.
(9 VAC 5-80-850 and 9 VAC 5-50-260)

OPERATING LIMITATIONS

5. **Production** - The annual production of paint for all mixers (M-1 to M-3, M-10 to M-12, M-14, and AM-4 through AM-9) shall not exceed 405,000 gallons, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-850 and 9 VAC 5-80-1180)
6. **Throughput** - The annual throughput paint pigment added to all mixers (combined) shall not exceed 1,020,000 pounds, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-850 and 9 VAC 5-80-1180)
7. **Throughput** - The coating throughput for the paint test spray booth shall not exceed 100 gallons per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-850 and 9 VAC 5-80-1180)

EMISSION LIMITS

8. **Emission Limits** - Emissions from the operation of all paint mixers combined shall not exceed the limits specified below:

Particulate Matter (PM/PM10)	0.2 tons/yr
Volatile Organic Compounds	22.9 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number(s) 3, 4, 5, 6, and 7.
(9 VAC 5-80-850 and 9 VAC 5-50-260)

9. **Emission Limits** - Hazardous air pollutant (HAP) emissions, as defined by §112(b) of the Clean Air Act, from the facility shall not exceed 3.1 tons per year of any individual HAPS or 7.6 tons per year of any combination of HAPS, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-850)

10. **Toxics, Hazardous Air Pollutants** - The permittee is limited to use of the following volatile hazardous air pollutants (HAPs) in the paint mixers and the spray booth:

<u>Volatile HAPS</u>	<u>CAS Number</u>	<u>Volatile HAPS</u>	<u>CAS Number</u>
2-(2-butoxyethoxy)-ethanol	112345	Formaldehyde	50000
Ethyl benzene	100414	Triethylamine	121448
Methanol	67561	Cumene	98828
Methyl Isobutyl Ketone (MIK)	108101	Ethylene Glycol	107211
Naphthalene	91203	O-Cresol	95487
Toluene	108883	Xylene	1330207
2-(2-methoxyethoxy)-ethanol	111773		

The permittee may use additional HAPs (listed in Attachment A) in the paint mixers and spray booth under 9 VAC 5-60-300 C without obtaining a new permit provided the following conditions are met:

- Notification shall be given to the Director, Tidewater Regional Office. Such notification shall be made within fifteen (15) days after the use of additional HAPS and shall include identification of the HAP, the date the HAP was first used, and the anticipated maximum throughput of that compound in lbs/hr and tons/yr. Additional details of the notification should be arranged with the Director, Tidewater Regional Office.
- The permittee shall operate this facility in compliance with 9 VAC 5 Chapter 60, Article 5, for all HAPS.
- The permittee shall not use any HAPS which would make the facility subject to federal emission standards in 40 CFR 61 or 40 CFR 63.

If a permit is required, failure to obtain the permit prior to the change in process formulation or the use of any additional HAP may result in enforcement action.
(9 VAC 5-80-850 and 9 VAC 5-60-340)

11. **Visible Emission Limit** - Visible emissions from the paint mixing room fan vents shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-850 and 9 VAC 5-50-260)

RECORDS

12. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:
- Annual production of paint for all paint mixers (M-1 to 3, M-10 to 12, M-14, and AM-4 through 9), calculated monthly as the sum of each consecutive 12-month period.
 - The annual throughput of paint in the paint test spray booth, calculated monthly as the sum of each consecutive 12-month period.
 - The annual throughput of paint pigment, calculated monthly as the sum of each consecutive 12-month period.
 - Material Safety Data Sheets for materials used in the coating manufacture operation; TLVs, STELs, or TWAs shall be included.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-80-900)

GENERAL CONDITIONS

13. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:
- To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
 - To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
 - To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
 - To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9 VAC 5-170-130 and 9 VAC 5-80-850)

14. Notification for Facility or Control Equipment Malfunction - The permittee shall furnish notification to the Director, Tidewater Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone, or telegraph. Such notification shall be made as soon as practicable but no later than four daytime business hours after the malfunction is discovered. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within two weeks of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the Director, Tidewater Regional Office in writing.

(9 VAC 5-20-180 C and 9 VAC 5-80-850)

15. Violation of Ambient Air Quality Standard - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.

(9 VAC 5-20-180 I and 9 VAC 5-80-850)

16. Maintenance/Operating Procedures – At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including equipment listed in condition 2 and associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.

(9 VAC 5-50-20 E and 9 VAC 5-80-850)

17. Permit Suspension/Revocation - This permit may be revoked if the permittee:

- a. Knowingly makes material misstatements in the permit application or any amendments to it;
- b. Fails to comply with the terms or conditions of this permit;
- c. Fails to comply with any emission standards applicable to a permitted emissions unit;
- d. Causes emissions from this facility which result in violations of, or interferes with the attainment and maintenance of, any ambient air quality standard;

- e. Fails to operate this facility in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect at the time that an application for this permit is submitted; or
- f. Fails to comply with the applicable provisions of Articles 6, 8 and 9 of 9 VAC 5 Chapter 80.
(9 VAC 5-80-1010)

18. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Director, Tidewater Regional Office of the change of ownership within 30 days of the transfer.
(9 VAC 5-80-940)

19. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.
(9 VAC 5-80-860 D)

DRAFT PERMIT APPROVAL FORM

Department of Environmental Quality
Tidewater Regional Office
5636 Southern Blvd.
Virginia Beach, Virginia 23462

Instructions:

The "Draft Permit Approval Form" provides the owner or certified company official an opportunity to accept or suggest appropriate changes to a draft permit. If a signed form is not received within one (1) week of the date of receipt of the draft permit, DEQ will assume that the draft permit is considered acceptable and will proceed with processing the permit. **Please check the applicable statement(s) below after thoroughly reviewing the draft permit. Forms may be returned by facsimile to 757-518-2009.**
Attention: Cindy Keltner or Ms. Jane A. Workman.

- _____ The owner or certified company official agrees with the conditions of the draft permit dated _____ . Please proceed to issue the permit with no change.
- _____ The owner or certified company official finds condition number(s) _____ of the draft permit dated _____ unacceptable.
- _____ The suggested changes are attached for your consideration.
- _____ The owner or certified company official requests further discussion with DEQ regarding the above referenced condition(s).

Signature: _____

Name: _____

Title: _____

Facility: _____

Date: _____